

## **Program Description/Textbook or Print Instructional Material**

Vendor: Thomson Learning/Course Technology Web Address: www.course.com

Title: Java Programming Comprehensive Concepts and Techniques

Author: Shelly/Cashman Copyright: 2004

ISBN: 0-619-20142-8 Course/Content Area: Vocational and Career Education; Information Technology Program; Programming

Intended Grade or Level: 9-12 Readability Level:      (Flesch-Kincaid)

List Price: 55.95 Lowest Wholesale Price: 41.25

*All materials bid as of July 1, 2003 must be offered in an alternative format for students who require reading accommodations. A description of the levels of accommodation is included on p. 8-9 of this bid packet. The Kentucky Department of Education must receive a copy of the alternative format if the material is placed on the State Multiple List.*

Level of Accommodations (Level One, Two or Three) Level Three

If Level Two or Three, please provide rationale for not meeting Level One Compliance It is not financially feasible for our products to meet Level One at this time.

## **FEATURES**

**DISCLAIMER:** The features of each book or program were developed by the publisher and do not reflect the opinion of the State Review Team, State Textbook Commission, nor of the Kentucky Department of Education.

### **Content**

- Part of the highly successful Shelly Cashman Series, this text takes the step-by-step approach to learning basic through advanced Java programming skills.
- Comprehensive version maps to both of the A and the AB, AP examinations.
- Real world examples are used through out the book to present difficult programming concepts in a straightforward and exciting way.
- Comes packaged with the latest versions of SDK, TextPad and Tomcat Server.

### **Student Experiences**

- With an emphasis on object-oriented programming concepts and real world examples, this book presents students with presents difficult programming concepts in a straightforward and exciting way!
- Extensive end-of-chapter reinforcement including Debug It exercises provide students with the practice they need to master the skills presented.
- Each chapter builds an application using the six phases of the development cycle, to familiarize students with a sound methodology to analyze, design, and develop applications.

### **Assessment**

This new edition employs the Shelly Cashman Series' proven step-by-step approach to learning, presenting difficult Java programming concepts in a straightforward and exciting way! The new layout and design of the book make it easy for students to stay on track, while the real-world examples keep students interested. Every chapter has been

rewritten to include all new programming examples as well as additional conceptual coverage, stressing the fundamentals of producing well-designed programs. And this new, Comprehensive version is perfect for any class on Java programming since it maps to both of the A and the AB, AP examinations.

### **Organization**

Chapter 1: Introduction to Java and Program Design  
Chapter 2: Creating a Java Application and Applet  
Chapter 3: Manipulating Data Using Methods  
Chapter 4: Decision Making and Repetition with Reusable Objects  
Chapter 5: Arrays, Loops, and Layout Managers Using External Classes  
Chapter 6: Creating a Java Calculator  
Chapter 7: Designing User Interfaces with Swing  
Chapter 8: Reading and Writing Data  
Chapter 9: Using Collections and Strings in a Reusable Class  
Chapter 10: Understanding Abstract Classes and Interfaces  
Chapter 11: Accessing Databases using JDBC  
Chapter 12: Utilizing Servlets for Web Applications

### **Resource Materials**

#### **Gratis Items To Be Provided And Under What Conditions**

Instructor's Resource Kit (0-619-20013-8) Free 1 per teacher

#### **Available Ancillary Materials**

## **RESEARCH DATA AND EVIDENCE OF EFFECTIVENESS**

**DISCLAIMER:** The research data and evidence of effectiveness was provided by the publisher and does not reflect the opinion of the State Review Team, State Textbook Commission, nor the Kentucky Department of Education.

**NOTE:** Please complete this section by indicating the research data and evidence of effectiveness or give a web site where the information is located. If there is no research data and evidence of effectiveness, please indicate ***“not available”*** in the space.



# Group V - Career/Technical Vocational/Practical Living Education Instructional Materials Evaluation Tool IT Web Design Career Major



**Title:** JAVA Programming Comprehensive Concepts an Techniques

**Publisher:** Thompson Learning/Course Technology

**Item Evaluated:** Textbook

**Copyright Date:** 2004

**Evaluator:** Scott Horan/Davis Davis

**Content Level:** 9-12

**Date of Evaluation** 7/28/03

**Level of Alternative Format**

Level 1 – Full Compliance

Level 2 – Provisional Compliance

Level 3 – Marginal Compliance

This section completed by Exceptional Children Services

## Overall Strengths and/or Weaknesses

**Disclaimer:** Comments on the strengths and/or weaknesses of each book, material or program were written by members of the State Textbook/Instructional Materials Review Team and reflect their opinions . They do not reflect the opinions of the State Textbook Commission nor the Kentucky Department of Education. In addition, the State Textbook/ Instructional Materials Review Team completed each evaluation form during the week of July 28-Aug. 1, 2003. In order to maintain the integrity of the of the review team's comments, editing was limited to spelling and punctuation.

## Recommendations:

☒ Recommended by reviewers to State Textbook Commission as a **basal** textbook program.

☐ Not recommended by reviewers to State Textbook Commission as a basal textbook or program.

**Publisher's Explanation of Reviewer's Comments:** By action of the State Textbook Commission, publishers are provided limited space, 150 words, to respond to what they may consider factual errors made by the reviewers in the evaluation.



# **Group V - Career/Technical Vocational/Practical Living Education Instructional Materials Evaluation Tool IT Web Design Career Major**



<b>Title: JAVA Programming Comprehensive Concepts an Tech- niques</b>		<b>Publisher: Thomson/Course Technology</b>
Technology Management Summary Data:	20 possible points	____13____ points earned
Technology Management Comments:		
Technology Presentation/Interface Summary Data:	36 possible points	____35____ points earned
Technology Presentation/Interface Comments: Data/Image files missing certain materials		
Content Summary Data:	32 possible points	____25____ points earned
Content Comments:		
Instruction & Management Summary Data	52 possible points	____44__ points earned
Instruction & Management Comments:		
Organization & Structure Summary Data	36 possible points	____32____ points earned
Organization & Structure Comments:		
Resource Material Summary Data	40 possible points	____35____ points earned
Resource Material Comments:		



## Group V - Career /Technical & Vocational/Practical Living

Electronic Instructional Media Review Form - A Guide to Web Development Using Macromedia Dreamweaver MX- LawrPress

Stand Alone/Independent or Integrated Software for IT Web Design Career Major



Equipment (circle or change fill color)	Grade Level (circle or change fill color)	Audience (circle or change fill color)	Format (circle or change fill color)	Cost: Included with text	
Windows	Primary	Individual	Stand Alone/Independent	_____ single copy	_____ site license
Macintosh	Intermediate	Small Group	Integrated	_____ network version	_____ school version
CD-ROM	Middle	Large Group	Supplemental	_____ lab pack of _____ copies	_____ online
DVD	High		In lieu of basal test		
Sound					
Other					

If other, explain \_\_\_\_\_

Type of Software: Check all that apply	_____ Simulation	_____ Management	_____ Interdisciplinary	_____ Problem Solving	_____ Tutorial
_____ Exploratory	_____ Creativity	_____ Drill and Practice	_____ Critical Thinking	_____ Utility	_____ Other:

Rating Scale:	3—Some of the time	1—None of the time
4—All or the time	2—Minimally	0— Not applicable

Management	Rating
Allows customizing for individual learning needs.	2
Allows students to exit and resume at a later time.	1
Keeps a students performance record, where needed.	4
Allows control of various aspects of the software (e.g., turning sound off).	2
Allows for printed reports.	4
Comments:	<b>Total</b>
	<b>13</b>

4Presentation/Interface	Rating
Presents material in an organized manner.	4
Has consistent, easy-to-use, on-screen instructions.	4
Has developmentally correct presentation format.	4
Adapts to different learning environments (learning styles/multiple intelligences, etc.)	2
Accessible for special needs students.	4
Runs smoothly, without long delays.	4
Presents easy-to-view text and graphics.	3
Presents easy-to-hear and understand sounds.	3
Avoids unnecessary screens, sounds, and graphics.	4
Provides immediate, appropriate feedback.	5
Comments:	<b>Total</b>
	<b>35</b>

Content—IT Web Design Career Major	Rating
Career Focus/Employability Skills/Workplace Readiness Skills	)*
Use of Hardware/Software to Create/Change Web Pages	1
Perform Content and Technical Analysis	0
Develop Web Application Sites	4
Implement Applications/Site Design	4
Maintain Applications	4
Manage Web Environment	4
Maintain Internet Infrastructure	4
Comments: * AP TEst	<b>Total 25</b>

Rating Scale:	2—Minimally
4—All or the time	1—None of the time
3—Some of the time	0— Not applicable

Instruction and Assessment	Rating
Identifies a Sense of Purpose	4
Builds on Student Ideas	4
Engages Students	4
Develops Computer Maintenance Ideas	0
Promotes Student Thinking	4
Assesses Student Progress	4
Enhances The Learning Environment	4
Reading level is appropriate for interest and ability level of intended student group; level remains consistent throughout.	4
Commonwealth Accountability Testing System (CATS) "like" Assessment is provided	4
Variety of Assessments (diagnostic, formative, summative, open response, multiple choice, individual, small group, oral, demonstrations, presentations, self and peer performance, portfolio prompts) is included.	4
Includes activities and opportunities for integration of technology.	4
Reflects researched-based practices (e.g. hands-on activities, technology, problem-solving situations)	4
Differentiation techniques and activities suggested.	0
Comments:	<b>Total</b> <b>44</b>

Rating Scale:	3 – Some potential for learning	1 - Not present
4 – High potential for learning	2 – Little potential for learning	0 – Not applicable

Organization and Structure	Rating
Organization is logical and allows for spiraling of content.	4
Vocabulary and key terms are clearly defined and easily accessible within each lesson.	4
Visual illustrations (e.g. graphs, charts, models) and examples are clearly presented and content-related.	4
Illustrations and language reflect diversity (e.g. racial, ethnic, cultural, age, gender, disabilities).	0
Legible type, length of lines, spacing, and page layout and width of margins contribute to overall appearance and use.	4
Student materials seem durable and conducive to daily use.	4
Includes sufficient glossary, index and appendices.	4
Employs accurate grammar and spelling	4
Organization of material can be effectively used with Standards Based Units, Core Content and Program of Studies.	
Comments:	<b>Total 32</b>

Resource Materials	Rating
Teacher materials coordinate easily with student materials (e.g. additional resources included at point of need, student pages shown, integration of technology indicated)	4
Activities are included that adapt to the various learning styles, intelligences, and interest/ability levels.	4
Extension activities including adaptations and accommodations for students with special needs.	3
Resources provide objectives, background information, common student errors, hints, advice for lesson implementation and real-world connections, connections with career and/technology and references (e.g. solution manuals, study guides)	4
Suggestions are made for integration of themes and /or interdisciplinary instruction.	4
Integration opportunities suggested and examples given.	4
Teacher resources are available online.	4
Online resources available – Repeat of information in text.	4
Online resources available – Practice skills only.	0
Online resources available – New application materials.	4
Comments:	<b>Total 38</b>

Rating Scale:	
4—All or the time	2—Minimally
3—Some of the time	1—None of the time
	0— Not applicable